

WHAT IS CLAIMED IS:

*Sub 10 15 20 25 30*

1. A biopsy device which is compatible for use with a magnetic resonance imaging machine, said device comprising:
  - a. a non-metallic elongated substantially tubular needle having a distal end, a proximal end, a longitudinal axis therebetween, and a port on said elongated needle for receiving a tissue sample; and
  - b. a sharpened distal tip for insertion within tissue, said sharpened distal tip attached to said distal end of said needle and at least partially comprising a material which will leave an artifact under magnetic resonance imaging.
- 10 15 20 25 30 2. The device of claim 1 wherein said needle comprises a thermoplastic.
3. The device of claim 1 wherein said needle comprises a glass fiber reinforced polymer resin.
4. The device of claim 1 wherein said material which will leave an artifact under magnetic resonance imaging is selected from the group comprising: gadolinium, titanium, aluminum, copper, brass and bronze.
5. A biopsy device which is compatible for use with a magnetic resonance imaging machine, said device comprising:
  - a. a non-metallic elongated substantially tubular needle having a distal end, a proximal end, a longitudinal axis therebetween, and a port on said elongated needle for receiving a tissue sample; and
  - b. a sharpened distal tip for insertion within tissue, said sharpened distal tip attached to said distal end of said needle, said distal tip having a

hollow cavity which is at least partially filled with a material which will leave an artifact under magnetic resonance imaging.

6. The device of claim 5 wherein said needle comprises a thermoplastic.  
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7. The device of claim 5 wherein said needle comprises a glass fiber reinforced polymer resin.  
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8. The device of claim 5 wherein said material which will leave an artifact under magnetic resonance imaging is selected from the group comprising: gadolinium, titanium, aluminum, copper, brass and bronze.  
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9. A biopsy device which is compatible for use with a magnetic resonance imaging machine, said device comprising:  
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  - a. a handle and a non-metallic elongated substantially tubular needle having a proximal end attached to said handle, a distal end extending therefrom, a longitudinal axis therebetween, and a lumen extending therethrough, said needle further including a port for receiving a tissue sample;
  - b. a sharpened distal tip for insertion within tissue, said sharpened distal tip attached to said distal end of said needle and at least partially comprising a material which will leave an artifact under magnetic resonance imaging; and  
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  - c. a cutter, movable within said lumen, for obtaining a sample of tissue when the tissue is disposed within said port.

- 30 10. The device of claim 9 wherein said needle comprises a thermoplastic.
11. The device of claim 9 wherein said needle comprises a glass fiber reinforced polymer resin.

12. The device of claim 9 wherein said material which will leave an artifact under magnetic resonance imaging is selected from the group comprising: gadolinium, titanium, aluminum, copper, brass and bronze.

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